

# EXHIBIT G

May 21, 1941

To the Secretary of War  
and  
The Advisory Commission to the Council of National Defense:

Monsanto Chemical Company (a corporation, hereinafter referred to as the applicant) represents that the facilities hereinafter identified are necessary in the interests of national defense during the emergency period, requests the issuance with respect thereto of a necessity certificate as provided in Section 124, as amended, of the Internal Revenue Code, and to that end shows as follows:

1. Name and address of the corporation which is the applicant:

Monsanto Chemical Company  
1700 South Second Street  
St. Louis, Missouri

2. Description of product or products to be produced, or services to be rendered, by the new facilities.

New facilities, the subject of this application, are for the increased production of diphenyl.

3. Has applicant entered into, or is applicant negotiating, a contract with the United States providing reimbursement for the cost of the facilities?

No.

4. (a). ATTACH, AS APPENDIX A, A DETAILED LIST OF THE FACILITIES. (Note: Appendix A as prepared by the applicant will be attached to the certificate issued. Responsibility for errors and vagueness of description, therefore, rests with the applicant. Description should include (i) for buildings, data as to location, enclosing map or blue print if possible, type, character, location and dimensions; (ii) for tools or machinery, plant or order numbers if available, or other descriptive information).

Attached is Appendix A setting forth a detailed list of facilities under this application. These facilities are further described by means of the attached layout of existing and prospective diphenyl manufacturing facilities on which the new facilities under this application are distinguished from the existing by means of hatched lines for new equipment and heavier lines showing outline of the extension to building.

NECESSITY

WD-N 2434

-1-

NARA CP  
RG 179  
M1200  
WD-N Applications for Certificates of Necessity, 1940-43  
Roll 42  
WD-N 2106-2159

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(b). State the actual or estimated cost thereof in the space provided below:

	Actual	Estimated
(1) Land . . . . .	--	--
(2) Buildings (permanent) . . . . .	--	\$ 31,000.
(3) Buildings (temporary) . . . . .	--	--
(4) Standard Machine Tools . . . . .	--	--
(5) Special Machine Tools . . . . .	--	--
(6) Hand tools and sides to manufacture, gages, jigs, fixtures, patterns, punches, dies, etc. . . . .	--	--
(7) Furnaces. . . . .	--	--
(8) Other facilities . . . . .	--	<u>244,000.</u>
Grand Total . . . . .		\$275,000.

(c). Show site or sites of facilities (street and number, city, county and state):

These additions to diphenyl plant constitute a part of applicant's chemical manufacturing plant located at Anniston, Alabama; said plant is bounded on the northwest by the Louisville and Nashville Railway and the Southern Railway while Duncan Street runs along the eastern side of the plant (although part of the plant extends a little east of Duncan Street, and Fifth Street is fairly well toward the southern boundary of the plant (although some buildings are on the south side of Fifth Street)).

(d). State when production began or is expected to begin with the facilities:

It is planned that the new seventh unit will be in operation on August 1, 1941, the eighth unit on September 1, and the ninth and tenth units on October 1. It is shown in Appendix A that this extension of facilities consists of four additional units for the manufacture of diphenyl.

(e). State earliest date when construction, reconstruction, erection or installation began, or any facility was acquired (See Instruction #4):

Construction, erection and installation of these facilities began on or about March 28, 1941.

5. In support of the representation that the facilities necessary in the interests of National Defense, give a brief statement as to each of the following matters. (If the answer to item 3 is "Yes", item 5 need not be answered).

APPLICANT MAY ATTACH EXHIBITS IN SUPPORT OF STATEMENTS. Such exhibits may consist of communications from Army or Navy officers, orders or letters of inquiry from other customers of the applicant, and any other matters considered relevant.



(a). Supplies furnished or to be furnished, or services rendered or to be rendered to the Army and/or the Navy (identify principal present and anticipated supply contracts, and indicate volume or amounts involved).

Applicant has no contract with the United States Government or its agencies for supply of diphenyl.

(b). Supplies furnished or to be furnished, or services rendered or to be rendered to other manufacturers engaged in defense production. (Identify by name the principal manufacturers and their products. State any of such manufacturers with which applicant is affiliated. State whether applicant is behind in deliveries, and, if so, indicate amount of backlog.)

Reference is made to Appendix B attached, which is copy of letter from General Electric Company, expressing their urgent need for the product they refer to as Pyranol, and furthermore showing priorities, requisitions, customers, etc., relating to the number of their present customer requirements of transformers and condensers in which Pyranol is required. Similarly, Westinghouse Electric and Manufacturing Company has large requirements of similar product which they designate as Inerteen, used by them in place of oil in transformers and condensers. Likewise, Moloney Electric Company and Allis-Chalmers Manufacturing Company use a chlorinated diphenyl for the same uses.

And it is wholly due to the urgent requirements of these four electrical appliance companies that applicant is undertaking the extension of the diphenyl department.

Pyranol and Inerteen are merely trade names for aroclors or chlorinated diphenyls, and in all of these, diphenyl is the base.

Applicant is behind in deliveries to General Electric Company and its licensees the equivalent of three months' production of existing plant, and backlog increases each month.

Applicant sells directly no great amounts of diphenyl but takes it through the next manufacturing step which is chlorination and then distillation to produce chlorinated diphenyls of varying types for different uses.

Aside from the use above noted as replacement for oil in electric transformers and condensers, aroclor is also used as follows: in the rayon industry for delustring; in fireproofing certain asphalt compounds for building siding and roofing; in insulating wire and cable for electric transmission.

(c). Applicant's need for facilities. (As to each plant, state present rate of production and estimated increase in terms of units, weight, dollars, man hours or otherwise, as seems appropriate. State average daily number of employees and number of shifts presently operating, using the table below if appropriate. If only one or two shifts are operated and no increase is contemplated, state why estimated production cannot be obtained by increasing shifts).



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	<u>Without facilities</u>	<u>With facilities (estimated)</u>
Maximum monthly productive capacity	720,000 lbs.	1,200,000 lbs.
Daily average number of employees for maximum	12	$\frac{720,000}{480 \times 16} = 9.375$
Number of shifts operated for maximum	3 per day 21 " week	3 per day 21 " week
Number of hours per shift per week for maximum	40	40
Production during a typical recent month -	April, 1941 702,677 lbs.	

(d). Need for additional facilities in the industry at large. (State such information as is known to the applicant. If adequate productive capacity exists in this country for the products to be produced by the applicant, a particularly full explanation of need for new facilities should be given.)

Applicant and Dow Chemical Company are the only manufacturers of diphenyl in any volume. However, applicant has patents and license rights on practically all aroclors or chlorinated diphenyls, and Dow Chemical Company, not having these license rights, confines its production to diphenyl oxide which is used as a heat transfer medium.

Consequently General Electric, Westinghouse and the other transformer and condenser manufacturers (making non-inflammable transformers and condensers) are wholly dependent upon applicant for this product. As aforesaid, their demand for such non-inflammable transformers and condensers is greatly increased directly for defense purposes, as shown by priorities on Appendix B (similar list from Westinghouse will be furnished if desired).

(e). Estimated percentage of increase in productive capacity which will be directly or indirectly absorbed in the Defense Program.

100%

(f). Other pertinent information indicating the specific need of applicant's products in the interest of National Defense.

Although, as aforesaid, the entire production of these additional facilities is required by the four named manufacturers of electrical transformers and condensers, there is, it should be noted at this point, a substantial requirement of diphenyls in the production of para amino diphenyl in the manufacture of an antioxidant which in turn is used in the manufacture of rubber tires and other rubber products. Applicant is practically the sole supplier of this product to Firestone Tire & Rubber Co., together with a number of other rubber companies, and there is no doubt that a substantial part of Firestone's rubber products are



today being required for defense purposes. Therefore, the point is that a considerable portion of applicant's present output of diphenyl is being required for defense purposes through the medium of rubber products.

6. The applicant is incorporated under the laws of the State of Delaware. The name, office, and address of the person or persons authorized to represent the applicant for the purpose of this application is:

W. W. Schneider, Secretary  
Monsanto Chemical Company  
1700 South Second Street  
St. Louis, Missouri

D. M. Sheehan, Comptroller  
Monsanto Chemical Company  
1700 South Second Street  
St. Louis, Missouri

F. A. Ulmer, Treasurer  
Monsanto Chemical Company  
1700 South Second Street  
St. Louis, Missouri

7. If the applicant has heretofore filed or is concurrently filing application for a certificate of necessity (whether for the same or other facilities) with either the War Department or the Navy Department, identify the application by date and total dollar amount of facilities; state whether a necessity certificate has been issued, and if so give file reference number.

	<u>Date of Filing</u>	<u>Total Dollar Amount of Facilities</u>	<u>File Reference Number of Certificate Granted</u>
WD-N-702	January 16, 1941	\$ 84,000.00	WD-N-702
WD-N-703	" 16, 1941	625,000.00	
WD-N-704	" 16, 1941	128,810.00	WD-N-704
WD-N-789	" 22, 1941	705,600.00	
WD-N-917	" 29, 1941	870,000.00	
WD-N-1718	April 11, 1941	467,000.00	

MONSANTO CHEMICAL COMPANY

By

Charles D. Sheehan  
Office Executive Vice President



State of Missouri )  
 City of St. Louis ) SS

I, Charles Belknap, being first duly sworn on oath depose and say: that I have read the foregoing application executed by me on behalf of the applicant therein named, and the Appendices attached thereto, and that the facts stated therein are true to the best of my knowledge and belief.

Charles Belknap

Subscribed and sworn to before me this 21st day of May, 1941.

W. W. Schneider  
 Notary Public

I, W. W. Schneider, certify that I am the Secretary of the corporation named as applicant in the foregoing application; that Charles Belknap who signed said application on behalf of said corporation was then its Executive Vice President; that said application was duly signed for and in behalf of said corporation by authority of its governing body, and is within the scope of its corporate powers.

W. W. Schneider {Corporate  
 Secretary Seal



C E R T I F I C A T E

I, W. W. Schneider, Secretary of the Monsanto Chemical Company, hereby certify that the following is a full, true and correct copy of a resolution adopted by the Board of Directors of the Monsanto Chemical Company at a meeting held at the St. Louis office of the Company December 20, 1940, and that said resolution is now in full force and effect:

RESOLVED, that Charles Belknap, G. Lee Camp, J. W. Livingston, and F. A. Ulmer or any of them are hereby authorized and empowered to sign, execute and file on behalf of this Company applications to the Advisory Commission to the Council of National Defense, Secretary of War and Secretary of Navy, for certificates covering amortization deductions under title III of the Second Revenue Act of 1940.

In Witness Whereof, I hereunto set my hand and affix the corporate seal of the Monsanto Chemical Company this 16th day of January, 1941.

W. W. Schneider  
Secretary



APPLICATION FOR NECESSITY CERTIFICATE

TO: Emergency Facilities Committee  
FROM: Lucy L. Kelley  
SUBJECT: Monsanto Chemical Co.; St. Louis, Missouri  
Certificate No. WD-N-2134  
Application No. 3474 (War)

Filed May 23, 1941

1. RECOMMENDATION -- *AP*
2. METHOD OF FINANCING -- Private
3. GOVERNMENT CONTRACTS -- U. S. Constructing Quartermaster - 3241  
Navy Contract 71266 for New Turbine Bldg., Schenectady  
U. S. Naval Air Station, Quonset Point, NO-Y-4175  
" " " " " " 7496  
" " " " " Opa Locka, Florida, JK-22612  
Washington Navy Yard, NYO-4360.
4. OTHER CONTRACTS -- Westinghouse Electric, General Electric, Curtiss Wright,  
DeLuval Steam Turbine Co., Colt Patent Firearms, Reynolds Metal  
Co., & Bethlehem Steel Co.
5. PRODUCTS: Diphenyl
6. FACILITIES PREVIOUSLY CERTIFIED: None for Diphenyl
7. APPLICATIONS PENDING: None for Diphenyl
8. SUMMARY OF FACILITIES (Appendix A):  
Buildings (permanent).....\$ 31,000.00  
Other Facilities..... 249,498.00  
\$ 280,498.00  
(applicant erroneously stated \$275,000.00 in appendix)  
(Hydrogen compressors, Benzol storage tanks, Converter & vaporizer units, R. R.  
tractors, Water & power supply, and spare parts)  
(a) Location of Facilities - Anniston, Ala.  
(b) % of Facilities for Defense Purposes - 100%
9. CONSTRUCTION BEGUN - March 28, 1941
10. PRODUCTION BEGUN - August 1, 1941, September 1, 1941, & October 1, 1941
11. INCREASE IN PRODUCTION
- |                 | Without facil. | With facil. |
|-----------------|----------------|-------------|
| Units per month | 720,000 lbs.   | 1,200,000   |
12. INCREASE IN EMPLOYMENT
- |                                |                   |      |
|--------------------------------|-------------------|------|
| No. of employees               | 12                | 16   |
| No. of shifts                  | 3 per day, 21awk. | same |
| No. of hours per shift, per wk | 40                | 40   |
13. REMARKS: W. W. Odell, E. W. Reid & P. T. Homan, inaa report dated July 31, 1941,  
recommends 100% certification, saying:  
"This company is well established, responsible, and able to carry to conclusion any  
contract which it might make. The company is now operating six units for produc-  
ing diphenyl, and the proposed facilities will add four more units.  
"This material, diphenyl, is used in the modified form such as chlorinated diphenyl,  
in the manufacture of inerteen and pyranol - trade names for materials used in

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Monsanto Chemical Co.  
St. Louis, Mo. WD-N-2134  
3474 (War)

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transformers and condensers. In these uses it replaces the combustible oils which were previously used for the purpose.  
"There is a demand for these products to fill Government orders which is believed to be greater than can be supplied with present production facilities."

Major Clifford V. Morgan, Medical Corps, Army Representative, Commodities Division, in a report dated June 23, 1941, states that the facilities are necessary for National Defense and recommends 100% certification saying:  
"Chlorinated diphenyls are used in place of oil in transformers and condensers. Their use minimizes fire hazard. It may also be mentioned that chlorinated diphenyls are used in the production of Halowax which is essential in the insulation of Navy cable. Additional diphenyl capacity is required in order to provide the initial material, which upon chlorination yields chlorinated diphenyls.  
"The applicant states: And it is wholly due to the urgent requirements of these four electrical appliance companies that applicant is undertaking the extension of the diphenyl department." These requirements refer to those for use in condensers and transformers."

Colonel G. H. Foster, Signal Corp., War Dept., in a memorandum dated July 16, 1941, concurs in recommending 100% certification.



July 16, 1941

**MEMORANDUM for the files**

**Subject: Monsanto Chemical Company  
Application for Necessity Certificate  
Number WD # 2134**

This application was filed May 23, 1941, for facilities for the production of diphenyl, which is used in place of oil in transformers and distributors. It is stated that the construction of facilities began March 26, 1941. The application is therefore timely.

The estimated cost of facilities is \$275,000 and are located at Anniston, Alabama. With these facilities, it is expected that the monthly capacity will increase from 720,000 pounds to 1,200,000 pounds. Increase of the production of this product is deemed essential by the A N M B, a report from which sets forth the uses for this chemical.

Certification is recommended.

George H. Foster  
Lt. Col., Sig. Corps



## **EXHIBIT 8**

## **EXHIBIT 8**

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DECLARATION OF ALICIA D. BUTLER, ESQ. IN SUPPORT OF PLAINTIFF'S  
MOTIONS IN LIMINE



CLASSIFIED  
E.O. 12065/Dec 5100.30-6/15/71  
GBS NARS, Date 4/13/71

APPLICATION FOR A NECESSITY CERTIFICATE  
Under Section 124 of the  
Internal Revenue Code

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Government

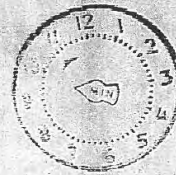
File No. WD-N 19250

MONSANTO CHEMICAL COMPANY  
(Name of Corporation)

Delaware  
(State of Incorporation)

1700 South Second Street  
St. Louis, Missouri  
(Address)

APR 3 - 1943



Date March 29, 1943

To: The Secretary of War

~~the Secretary of the Navy~~

(Note. - Strike out whichever is inapplicable.)

Monsanto Chemical Company, the undersigned corporation (hereinafter referred to as the applicant), represents that the facilities LISTED IN ATTACHED APPENDIX A are necessary in the interest of national defense during the emergency period, and requests the issuance with respect thereto of a Necessity Certificate as provided under Section 124, as amended, of the Internal Revenue Code, and in support thereof submits the following information:

1. Describe products to be produced or services to be rendered by the facilities listed in APPENDIX A.

Diphenyl.

RG 79

m1200

WD-N Applications for certificates of Necessity, 1940-43

Roll 294

WD-N 19231-19279

RG 179

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CLASSIFIED  
E.O. 12065/Dec 5100.30-6/15/77  
BS NARS, Date 4/13/77

APPLICATION FOR A NECESSITY CERTIFICATE  
Under Section 124 of the  
Internal Revenue Code

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Government

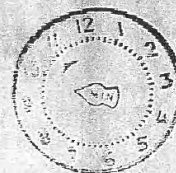
File No. WD-N 19250

MONSANTO CHEMICAL COMPANY  
(Name of Corporation)

Delaware  
(State of Incorporation)

1700 South Second Street  
St. Louis, Missouri  
(Address)

APR 3 - 1943



Date March 29, 1943

To: The Secretary of War

~~The Secretary of the Navy~~

(Note. - Strike out whichever is inapplicable.)

Monsanto Chemical Company, the undersigned corporation (hereinafter referred to as the applicant), represents that the facilities LISTED IN ATTACHED APPENDIX A are necessary in the interest of national defense during the emergency period, and requests the issuance with respect thereto of a Necessity Certificate as provided under Section 124, as amended, of the Internal Revenue Code, and in support thereof submits the following information:

1. Describe products to be produced or services to be rendered by the facilities listed in APPENDIX A.

Diphenyl.

RG 79

m1200

WD-N Applications for Certificates of Necessity, 1940-43

Roll 294

WD-N 19231-19279



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DECLASSIFIED  
E.O. 12065/DOE 5100.30 - 6/1/74  
GBS NARS Date 4/13/82

2. The products referred to under item 1 are being produced or will be produced under the following prime contracts with the United States, or under the following subcontracts (if known):

PRIME CONTRACTS:

Contract numbers	Government Department	Amount
------------------	-----------------------	--------

This manufacturing facility was acquired and installed during the first five and one-third months of 1940, and was consequently prior to the more intensive stage of the defense preparations of the United States. (See answer to question 14 for disposition of product.)

SUBCONTRACTS:

Product	Supplied to	For	(Give Government Department receiving END product and contract number if known.)	Amount
---------	-------------	-----	--	--------

3. Information on Shipments Analyzed by Preference Ratings:  
(To be copied from applicant's most recent report or application to WPB. For example, the most recent application under the Production Requirements Plan.)

(a) For preceding calendar quarter ending \_\_\_\_\_, 194\_\_

Dollar Volume

\$

The installation under this application antedates the period of preference ratings, allocations, etc.

TOTAL SHIPMENTS ..... \$

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DEC 17 1945  
 E. O. 12065 / DEP. 5200.30 - 6/10/71  
 GBS NARS, Date 9/17/82

(b) For coming calendar quarter ending \_\_\_\_\_, 194\_\_\_\_  
 Dollar Volume  
 \$

TOTAL SHIPMENTS..... \$

4. The services referred to under item 1 are being rendered or will be rendered as follows:

Type of service (i.e., transportation, power generation, utilities, etc.)	To whom	Government agency involved
--	---------	-------------------------------

5. What percentage of the products or services to be produced or rendered with the facilities listed in APPENDIX A will be absorbed in the war effort?

100%.



DECLASSIFIED  
E.O. 12065 / Dec. 31, 1976  
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GBS NARS, Date 4/13/82

6. Explain in detail what consideration has been given to:

(a) Converting presently owned facilities.

**Applicant has no facilities suitable for producing additional diphenyl.**

(b) Use of other available facilities.

**The equipment necessary for the production of diphenyl is specially designed. There are no similar available facilities.**

(c) Subcontracting any portion of the products to be produced or services to be rendered with the facilities.

**To the best of applicant's knowledge there are no other producers in position to subcontract.**

(d) Conservation of scarce materials in planning the project.

**Every care was exercised to minimize the use of scarce materials.**

7. It is expected that production will begin with the facilities sought to be certified in this application on March 18, 1940.

8. (a) State the priority assigned under the project rating and the project rating serial number or numbers relating to the facilities included in this application. (In case any facilities have been acquired individually, note the priority rating in the equipment schedule in APPENDIX A.)

**No priority assigned on account of early date.**

(b) Explain the absence of any project or priority ratings. This does not apply to land, buildings not constructed especially for the applicant, and secondhand facilities referred to in items 9, 10, and 11.

**The installation of this equipment antedates the institution of application of priority ratings to any great extent.**



DECLASSIFIED  
E.O. 12065 / Dec 5100.30 - 6/18/71  
CBS NARS, Date 9/13/82

9. The following statements are made with respect to the land, listed in APPENDIX A: **Not applicable**

- (a) Name of former owner was -
- (b) Affiliation, if any, between the former owner and the applicant was -
- (c) The land was used in the following manner before acquisition -

10. The following statements are made with respect to those buildings listed in APPENDIX A, not constructed especially for applicant: **Not applicable.**

- (a) Name of former owner was -
- (b) Affiliation, if any, between the former owner and the applicant was -
- (c) The buildings were used in the following manner before acquisition -

11. The following statements are made with respect to all other facilities listed in APPENDIX A which are to be or were acquired secondhand:

- (a) Name of former owner was (indicate if a secondhand dealer) -

**No secondhand facilities were acquired.**

- (b) Affiliation, if any, between the former owner and the applicant was -
- (c) The facilities were used in the following manner before acquisition -



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E.O. 12065/DOJ 5200.10 6/12/71  
G.B.S. NARS, Date 4/12/82

12. Have all facilities, other than those specifically referred to in items 9, 10, and 11, been acquired or will they be acquired new by the applicant? Yes  
(Yes or no)

13. Are any of the facilities listed in APPENDIX A, replacements which would have been made at or about this time, if normal peacetime conditions had existed? No If answer is "yes", list said facilities below and state full circumstances.  
(Yes or no)

14. In support of the representation that the facilities are necessary in the interest of national defense, the following statement is made, with specific reference to (a) necessity of the product or service and (b) shortage of capacity in the industry:

(Applicant may attach exhibits in support of statements. Such exhibits may consist of communications from Army or Navy officers or WPB officials, orders or letters of inquiry from other customers of the applicant, and any other matters considered relevant.)

(If acquisition of facilities or plans in connection therewith have been discussed with, or approved by, any of the Arms or Services or Bureaus or WPB units, give appropriate names and addresses, or attach copies of pertinent information or both.)

Applicant had been for several years a major producer of diphenyl for further processing into Arcelors or chlorinated diphenyls. These were and are largely produced under license agreement with General Electric Company, which company uses Arcelor under the trade name of Pyranol, and further licenses use of the same product to Westinghouse Electric Manufacturing Company, whose trade name is Inerteen. Allis Chalmers Manufacturing Company and Moloney Electric Company are also sub-licensed to use the same chlorinated diphenyls.

Arcelor is used by said electric companies as a substitute for oil in electric transformers and condensers on account of its characteristic of non-flammability as well as other advantages. Attached as Appendix B is a copy of letter from General Electric Company, expressing their continuing and increasing need for this product, which increased use had its inception at about the time the installation under this application was made. In other words, the subject



installation was the very necessary beginning of several stages of expansion of this production by the applicant, which subsequent stages have been granted certificates of necessity under Nos. WD-N-2134 and WD-N-5224.

Applicant submits that it is fully understood by the War Department and WFB that the use of Arcelor in electric transformers and condensers is a vital need and advantage in our defense and war program.

The fact that two expansions of this producing equipment have been subsequently demanded is, of course, conclusive proof that the subject expansion under this application was also urgently needed to implement the defense and war production effort.

In addition to the use and need above mentioned, Arcelor is also used as follows:

In the Rayon industry for delustring; in fireproofing asphalt compounds for building materials; in insulating wire and cable for electric transmission; in the production of para amino diphenyl for the manufacture of a rubber antioxidant which finds a very substantial and important use in the manufacture of rubber tires and other rubber products. Applicant is practically the sole supplier of said antioxidant to Firestone Tire and Rubber Company, whose contribution to the war production program is well understood.

6-a



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DECLASSIFIED  
E.O. 12065/DOE 5x00.30 - 6/14/77  
G.B.S. NARS, Date 4/23/82

## 15. Justification for expansion:

## (a) Manufacturing facilities only.

## I - Production

Product	Unit of Measure	With Existing Facilities		With Addition of Facilities Covered by This Application (quarterly)
		Last Calendar Quarter Ending		
		December 31, 1939		
		Actual	Capacity	
Diphenyl	Pounds	1,161,949	1,350,000	1,710,000

## II - Employment

(Average Number of Employees and Average Number of Work Hours per Week)

Employment (Shift)	With Existing Facilities Last Calendar Quarter Ending				With Addition of Facilities Covered by This Application (quarterly)	
	December 31, 1939					
	Actual		Capacity			
	Employees	Work Hours per week	Employees	Work hours per week	Employees	Work hours per week
1. First	5	40	5	40	5	40
2. Second	2	40	2	40	2	40
3. Third	2	40	2	40	2	40
4. Swing	2	40	2	40	2	40

NOTE: This plant operates 24 hours per day 7 days per week at all times.



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E.O. 12065/Dec. 5, 1990, 30 - 6/18/74  
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15. (Continued)

(b) Other facilities:

If the facilities are not manufacturing facilities an explanation of why the facilities are essential is required. Example: For office building or equipment give number of office employees before and after expansion and reasons for increase as related to production.

(This classification includes maintenance items, service equipment, office structures and equipment, plant protection, or machinery which is essential to the specific processing of war work but which does not expand the over-all capacity of the plant. If this classification applies, attach separate sheet.)

16. Has applicant negotiated with agencies of the Government as to financing the cost of these facilities? No If so, give details.  
(Yes or no)

17. Has any Government agency financed any other expansion of this plant at this location for the applicant? No If so, outline the  
(Yes or no)  
nature of the expansion and the amount involved.

18. The following applications for Necessity Certificates for this plant at this location have been filed, or are being concurrently filed, with either the War Department or the Navy Department:

Date of applica- tion and Department (War or Navy)	Government file No.	Estimated total dollar amount of facilities on each application	Date and (if Navy) number of Necessity Certificate (if issued)
May 21, 1941 (War)	WD-N-2134	\$275,000.00	Aug. 6, 1941
July 16, 1941 "	WD-N-2945	59,825.00	Sept. 24, 1941
Nov. 27, 1941 "	WD-N-5224	51,900.00	March 13, 1942
June 25, 1942 "	WD-N-9706	66,820.00	Aug. 22, 1942
Dec. 30, 1942 "	WD-N-15572	41,020.00	Feb. 12, 1943
Mar. 23, 1943 "		11,314.64	



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19. The name, office, and address of the person or persons authorized to represent the applicant for the purpose of this application:

F. A. Ulmer, Treasurer  
1700 South Second Street  
St. Louis, Missouri

H. F. Shattuck  
1028 Shoreham Bldg.  
Washington, D. C.

J. T. Ragsdale, Jr.  
1028 Shoreham Bldg.  
Washington, D. C.

**MONSANTO CHEMICAL COMPANY**  
(Name of applicant)

(Corporate Seal)

By \_\_\_\_\_

**Treasurer**  
(Title)

Attest \_\_\_\_\_ Secretary.



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State of Missouri }  
City of St. Louis } SS:

F. A. Ulmer, being first duly sworn, deposes and says that he is the treasurer of Monsanto Chemical Company the applicant in the foregoing application; that he is duly authorized to make oath to the same; that he has read the foregoing application and knows the contents thereof; that the statements therein contained are true of his own knowledge, except the matters stated to be on information and belief, and as to those matters he believes them to be true.

Subscribed and sworn to before me this 29th day of March, 1943

(Notary Seal)

(Notary Public)

Items 1 to 5 inclusive are to be typed in by applicant. This portion of application will be returned to applicant as a receipt.

LEAVE THIS SPACE BLANK

Government  
File No. \_\_\_\_\_

Receipt is acknowledged of the application for a Necessity Certificate, filed on the date stamped hereon. Further communications with respect to this application should bear the Government file number indicated hereon.

1. Total facilities, this application \$ 37,580.92
2. Date of application March 29, 1943
3. Name Monsanto Chemical Company
4. Street and number 1700 South Second Street
5. City and State St. Louis, Missouri

APR 3 - 1943



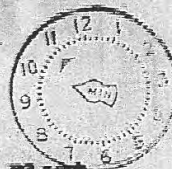


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# APPENDIX A

APR 3 - 1942



Name of Corporation:

**Monsanto Chemical Company**  
**1700 South Second Street**  
**St. Louis, Missouri**

Address:

Location of Facilities:

**Applicant's Anniston, Alabama Plant**

The earliest date of acquisition or beginning of construction, re-construction, erection, or installation of any of the facilities was January 19, 1940.

(Note.- This application must have been received by either the War Department or the Navy Department in Washington, D. C., before the expiration of 6 months after the above date.) **Amended by Section 155 of Revenue Act of 1942.**

## SUMMARY SHEET

(Applicant must attach hereto additional sheets supplying a description of each facility)

See page	Actual	Estimated
( ) Land .....	\$ _____	\$ _____
( ) Building and other construction..	_____	_____
( ) Equipment:		
( ) Machine tools .....	_____	_____
( ) Other metal working machinery...	_____	_____
( ) Power generating and distribut- ing equipment .....	_____	_____
( ) Furnaces .....	_____	_____
( ) Other .....	_____	_____
Other Facilities (specify):		
( ) _____	<u>37,580.92</u>	<u>39,000.00</u>
TOTALS.....	\$ <u>37,580.92</u>	\$ <u>39,000.00</u>
GRAND TOTAL OF ALL FACILITIES, APPENDIX A.....		\$ <u>37,580.92</u>

This Appendix A, including this summary sheet and sheets attached by the applicant supplying a description of each facility, consists of 3 pages and 1 blueprint ~~100-15822~~

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 GBS RARS, Date 4/13/82

## APPENDIX A

5TH DIPHENYL UNIT

ANNISTON, ALABAMA

ESTIMATE NO. 2841

ITEM	DESCRIPTION	ESTIMATED AMOUNT
1.	Benzol Feed	\$ 500.00
2.	Vaporizer Unit	2,300.00
3.	Converter Unit	11,500.00
4.	Condensing equipment	8,000.00
5.	Piping and Storage	1,100.00
6.	Instruments	3,700.00
7.	Reworking Panel Board	1,000.00
8.	Building Alterations	4,400.00
9.	Additional Benzol Storage	3,600.00
10.	Spare Equipment	1,900.00
11.	Hydrogen Compressor Changes	1,000.00
ESTIMATED TOTAL		\$39,000.00

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APPENDIX A  
5TH DIPHENYL UNIT  
ANNISTON, ALABAMA

ESTIMATE NO. 2841

## Detail of Expenditures

Job. No.	Description	Amount
		\$ 1,097.18
2-922	Benzol Storage Tank	237.01
2-923	Earth Dyke	338.33
2-924	Cyclone Fence	258.94
2-925	Storage Pump and Motor	347.87
2-926	Benzol Pipe Lines	128.79
2-932	Feed Pump and Motor	1,706.56
2-933	Vaporizer and Stack	6,781.04
2-934	Converter	368.63
2-935	Gas Piping	833.93
2-936	Gas Burners	757.76
2-937	Lead Trap	620.56
2-938	Stainless Steel Piping	2,500.23
2-939	Heat Exchanger	1,681.77
2-940	Fractionating Column	664.83
2-941	Condenser	422.21
2-942	Split Flow Box	546.40
2-943	Sump Tank	3,069.86
2-944	Controls and Wiring	2,273.56
2-945	Operating Platforms	1,342.78
2-946	Process Piping	170.89
2-947	Water Piping	675.73
2-948	Chain Block and Trolley	38.49
2-949	Alterations	1,093.18
2-951	Control Board	1,817.78
2-952	Reaction Pots	30.14
2-994	Benzol Feed Pump Piping	957.30
2-995	Hydrogen Condenser	604.21
2-996	Hydrogen Compressor Motor	180.67
2-999	Painting	57.28
2-1000	Building Lighting	771.15
2-1036	Painting and Glazing	540.78
2-1116	Supply Room	340.22
2-1117	Jacket for Insulation	837.59
2-1118	Sight Glasses	396.59
2-1119	Jacket for High Boiler Still	60.98
2-1120	Hood over High Boiler Still	232.22
2-1121	Trailer for High Boiler Drums	492.27
2-1122	Furniture	452.96
2-1123	General Foreman's Office	247.73
2-1124	Power Feeder	1,604.52
2-1227	Condenser, Flow Box and Column - Units 1&2	
	TOTAL	\$37,580.92

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